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Summary

My professional background includes over 15 years of experience in computer science, software engineering and architecture, designing and building complex IT systems, mentoring people. I have experience in developing products from scratch and working on enterprise-scale ones, ranging from startups to industry-leading companies.

As an entrepreneur, I started and co-started a few startups: a social network, an instant messaging service, an ERP SaaS for the SMB market, a powerful personal GIS platform, a privacy-respecting data platform for the digital advertising industry. Currently I'm doing research for a new product: an [Objects-as-a-Service](#) software development platform.

I worked on online education platforms, massive-scale email security and spam protection systems, IT/network infrastructure, e-commerce platforms, ERP, CRM, CMS SaaS platforms, instant messaging services, machine learning-based analytics services, privacy-first data platforms, cloud platforms. While doing this, I invented several novel, 5-years-ahead-of-the-industry, solutions.

I also had a privilege to work with, and contribute to building some truly high-performing teams, helping people grow. I mentor people on technology, business and personal development in my spare time.

I had spoken at [several conferences and meetups](#), created and contributed to many [open-source projects](#).

Work experience

2021 .. 2022

Did consulting contracts with a few companies in fintech, payments, gaming, e-commerce, SMB integrations segments.

By combining and generalizing requirements and problems these different business domains are exposed to I Invented a new solution: [OaaS: Objects as a Service](#) software development platform.

Continued mentoring on technology, business, strategy and personal development.

2019 .. 2020

Founder at [adferret](#) – a privacy-respecting hyper-scalable data platform for the digital advertising industry. Responsible for customer development, product development, hiring and more.

The product was very successful from the industry side, but failed to provide enough value for end users to scale fast, and was discontinued.

Did mentor at a Software Architects Club, spoke at several online events.

2016 .. 2019

Worked at [Beautiful Destinations](#), leading frontend, and later all the tech efforts in the company. We had built a fully remote highly-performant engineering team and workflow years before it became mainstream.

Together with the team we had built a suite of SaaS applications for managing large-volume media sets. The applications include computer vision-based

ML/AI functionality, are using service-oriented architecture on the backend and a microservices-for-frontend architecture for the UI.

The framework of the system we had developed for this project is now open-source and can be found at github.com/LubeckFRP.

Project role: Head of Engineering and R&D.

2012 .. 2015

Worked at [Evo](#) (a multinational online shopping and business services provider: [prom.ua](#), [tiu.ru](#), [satu.kz](#), [negociol.com](#), [ticiz.com](#)) as a team lead and an enterprise architect.

Built an architecture team for solving the most important, system-wide, complicated problems. Grew a high-performing and business-oriented mindset in the team. Later all the team members were promoted to leading positions. Also did mentor all the engineers in the company, established weekly internal meetups for knowledge sharing.

Led the team in the R & D process, which resulted in developing several novel solutions. Namely:

- a scalable [microservices-for-frontend-based architecture](#) for programmatically composable web applications and a multi-language module system for this architecture. These novel solutions provided the company with a few years of technological advantage over the rest of the industry.

- a language-agnostic build system. It is open-source now.
github.com/EugeneN/cafe

- a concatenative reactive programming language for scripting mash-up UI applications. It is open-source now.
github.com/EugeneN/DNA.js

- an incremental bootloader for web applications, which loads and applies binary patches of the application's code. It is open-source now.
github.com/EugeneN/vcdelta

– a prototype for the backend microservice architecture.

Project role: R&D Lead, Project Lead, Team Lead, Enterprise Architect, mentor.

2010 .. 2011

Worked on a couple of large enterprise projects at [SoftServe](#) and [Cisco](#):

Led a backend team, later worked directly with the customer's in-house team as an outstaff team member.

Worked on a set of RESTful backend services in a large real-time platform for online testing in an online education system. Wrote a custom dialect for Python's SQLAlchemy library for MS SQL Server 2000. Was also involved in architecture assessments and proposals for a few other related projects.

Customer: [Pearson](#).

Project role: Back-end Team Lead, Software Architect, Software Developer.

Worked on parts of Cisco [IronPort Email and Web Security Appliances](#). It is a massive microservices-based system for scanning and categorizing global email and web traffic in real time at the global scale.

Designed from scratch and implemented an LDAP-based administration tool for managing IT infrastructure. This tool features a rich web client application and an API-driven server service.

Customer: [Cisco Systems, Inc.](#)

Project role: Software Architect, Software Developer.

2009 .. 2010

Co-founder of [G4](#) startup. The company had developed a SaaS product for managing geospatial data: GPS tracks, points, geotagged items, custom maps.

The application features real-time data categorization and clustering, real-time

push-based internal API, external RESTful API, spatial search, uses advanced HTML5 features like drag-and-drop multi-file upload, sound effects, interactive SVG charting.

Was responsible for customer development, product development, team hiring and management, and more.

Project role: Co-founder/CEO.

2007 .. 2008

Founder at a privately-owned company that had developed a SaaS ERP platform for small businesses. The platform provides a set of standalone services for managing finances, goods, employees, business documentation. All the applications make use of a single sign-in capability, shared users profiles and sophisticated hierarchical access control rules. The system uses an immutable (append-only) database for business data and an audit log with the ability to roll back any changes.

Was responsible for product development, team hiring and management, and more.

Project role: Founder/CEO, Enterprise Architect.

2005 .. 2006

Co-founded an instant messaging service Jabber.te.ua. The product featured interoperability with email, SMS and other IM services, chat bots support, server-side history service, which were unique features for distributed federated/peer-to-peer systems at that time.

The messaging service also was used for monitoring, metrics collection and remote management of server farms and IoT devices.

Project role: Co-founder/CTO, Solution Architect.

2004 .. 2005

Co-founded a social network for students. It was a web site integrated with an instant messaging service and automated chat bots. The service was hugely popular among students across several universities.

Was responsible for product development, community management, investors relations and more.

Project role: Co-founder/CTO, Enterprise Architect.

2004 .. 2006

Worked as a software engineer at the Computer Department of Ternopil National Technical Academy.

Developed a complex software platform for the university's network infrastructure and identity management based on LDAP, with a Kerberos-like ticket-based authentication and authorization system on top of the XMPP protocol.

Developed a high-load email security and spam protection system and a distributed monitoring service on top of the XMPP protocol.

Project role: Enterprise Architect, IT architect, Project Manager.

Education

1999 .. 2005

[Ternopil National Technical University](#)

Bachelor's degree with honors in Computer Automation.

Specialist's degree with honors in Computer Automation.

Master's degree with honors in Computer Automation.